

**Application No.:** 10/033,246  
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in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

- (e) the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

23. (Amended) The isolated nucleic acid of Claim 22 having at least 85% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;
- (e) the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

24. (Amended) The isolated nucleic acid of Claim 22 having at least 90% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22);

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(b) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

25. (Amended) The isolated nucleic acid of Claim 22 having at least 95% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

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26. (Amended) The isolated nucleic acid of Claim 22 having at least 99% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

27. (Amended) An isolated nucleic acid comprising:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21);

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- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

28. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22).

29. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide.

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30. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22).

31. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide.

32. (Amended) The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21).

33. (Amended) The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21).

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35. (Amended) An isolated nucleic acid that hybridizes to:

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- b2*  
*Concl*
- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22);
  - (b) a nucleic acid sequence encoding the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;
  - (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22);
  - (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 16 (SEQ ID NO:22), lacking its associated signal peptide;
  - (e) the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21);
  - (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 15 (SEQ ID NO:21); or
  - (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.
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**REMARKS**